OFFICE OF THE SECRETARY OF STATE

JESSE WHITE • Secretary of State

06/01/2007

POLLUTION CONTROL BOARD

James R. Thompson Center 100 W. Randolph St., Ste 11-500
Dorothy Gunn
CHICAGO, IL 60601

Dear Dorothy Gunn

Your rules Listed below met our codification standards and have been published in Volume 31, Issue 23 of the Illinois Register, dated 06/08/2007.

PROPOSED RULES

Definitions and General Provisions R07-19	
35 Ill. Adm. Code 211	Page 7683
Point Of Contact:Erin Conley	
Primary Drinking Water Standards	
35 Ill. Adm. Code 611	Page 7729
Point Of Contact:Erin Conley	
Nitrogen Oxides Emissions R07-19	
35 Ill. Adm. Code 217	Page 7702
Point Of Contact:Erin Conley	

If you have any questions, you may contact the Administrative Code Division at (217) 782 - 7017.

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

1) Heading of the Part: Definitions and General Provisions

2) Code Citation: 35 Ill. Adm. Code Part 211

3)

Section Numbers:	Proposed Action:
211.1740	New
211.1920	Amend

4) Statutory Authority: Section 27 of the Illinois Environmental Protection Act [415 ILCS 5/27]

5) A Complete Description of the Subjects and Issues Involved: This rulemaking was initiated by an April 6, 2007 proposal made by the Illinois Environmental Protection Agency for amendments to 35 Ill. Adm. Code 201.146, 211, and 217, citing authority including the fast track rulemaking procedures of Section 28.5 of the Environmental Protection Act, 415 ILCS 5/28.5. The Board received an objection to the use of the fast-track procedures on April 16, 2007 from ANR Pipeline, Natural Gas Pipeline Company, Trunkline Gas Company, and Panhandle Eastern Pipeline Company, and on April 17, 2007 from the Illinois Environmental Regulatory Group. Consistent with the strict deadlines of Section 28.5 of the Act, the Board filed the entire rule proposal with the Secretary of State for first notice publication, pending receipt of responses to the objections and ruling on them. Nitrogen Oxide (NO_x) Emissions from Stationary Reciprocating Internal Combustion Engines and Turbines: Amendments to 35 Ill. Adm. Code Section 201.146, 211, and 217, R07-18 (April 19, 2007). This was published at 35 Ill. Reg. 6597 (May 4, 2007).

The Board ruled on the objections in a single May 17, 2007 order, finding that the IEPA April 6, 2007 proposal must be handled in two dockets under separate statutory authorities and rulemaking tracks. Since some portions of the proposed new 217.Subpart Q do not meet the standard for a fast track rule under Section 28.5 of the Act, the Board created a new docket to proceed with non-qualifying provisions under Section 27. Accordingly, the Board bifurcated the amendments that were originally proposed. Docket R07-18 was retitled and is continuing under the Section 28.5 hearing schedule only for those amendments that qualify as fast track rules. The text of these rules is identified as Attachment A to the Board's order in R07-18 Fast-Track Rules Under Nitrogen Oxide (NO_x) SIP Call Phase II: Amendments to 35 Ill. Adm. Code Section 201.146, Parts 211 and 217 and R07-19 Section 27 Proposed Rules for Nitrogen Oxide (NO_x) Emissions From Stationary Reciprocating Internal Combustion Engines and Turbines: Amendments to 35 Ill. Adm. Code Parts 211 and 217 (May 17, 2007).

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In this publication the Board is proposing, under its general rulemaking authority at Section 27 of the Act (415 ILCS 5/27), definitions that apply only to those portions of the proposed amendments in Part 217 that did not qualify as fast track amendments. The Board is in the process of scheduling hearings in this rulemaking.

These amendments are substantively identical to the proposed Part 211 definitions for Section 211.1740 "Diesel Engine" and the amendments to 211.1920 "Emergency or Standby Unit" that were published in the Illinois Register on May 4, 2007 at 31 Ill. Reg. 6597. As was explained in those notice pages, the IEPA's statement of reasons explained that these rules are proposed to meet certain obligations of the State of Illinois under the Clean Air Act, 42 U.S.C. § 7401 et seq. This statewide proposal will regulate NO_x emissions from turbines and smaller engines, as part of the State's obligation to meet NO_x reasonably available control technology (RACT) requirements for the 8-hour ozone and fine particulate matter (PM2.5) National Ambient Air Quality Standards (NAAQS), reasonable further progress (RFP), and attainment demonstration requirements.

6) Published studies or reports, and sources of underlying data, used to compose this rulemaking: The regulatory proposal included the Illinois EPA's Technical Support Document for Controlling NO_x Emissions from Stationary Reciprocating Internal Combustion Engines and Turbines(TSD) that relied on several published studies and reports. Copies of the reports that the Illinois EPA relied upon are available for review with the Pollution Control Board and are listed below.

Technical Support Document for Final Clean Air Interstate Rule, Air Quality Modeling, U.S. EPA, Research Triangle Park, NC, March 2005.

Alternative Control Techniques Document – NO_x Emissions from Stationary Reciprocating Internal Combustion Engines, EPA-453/R-93-032, July 1993, U.S. EPA, OAQPS, RTP, NC 27711.

Alternative Control Techniques Document – NO_x Emissions from Stationary Gas Turbines, EPA-453/R-91-007, January 1993, U.S. EPA, OAQPS, RTP, NC 27711.

Controlling Nitrogen Oxides Under the Clean Air Act: A Menu of Options, July 1994, State and Territorial Air Pollution Program Administrators/Association of Local Air Pollution Control Officials.

Regulatory Impacts Analysis for the NO_x SIP Call, FIP, and Section 126 Petitions, Volume 1: Costs and Economic Impacts, EPA-452/R-98-003, September 1998, U.S. EPA, Office of Air and Radiation, Washington, DC 20460.

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Stationary Reciprocating Internal Combustion Engines Technical Support Document for NO_x SIP Call, October 2003, Doug/Grano/Bill Neuffer, EPA OAR, OAQPS, OPSG.

Assessment of Regional NO_x Emissions in the Upper Midwest, Lake Michigan Directors' Consortium, February 15, 2007 (Att. A to TSD).

7) Will this rulemaking replace any emergency rulemaking currently in effect? No

8) Does this rulemaking contain an automatic repeal date? No

9) Does this rulemaking contain incorporations by reference? Yes

10) Are there any other proposed amendments pending on this Part? Yes

Code Citation:	Proposed Action:	Illinois Register Publication:
211.1740	New Section	31 Ill. Reg. 6578, May 4, 2007
211.1920	New Section	31 Ill. Reg. 6578, May 4, 2007

11) Statement of Statewide Policy Objective: This proposed rulemaking does not create or enlarge a State mandate, as defined in Section 3(b) of the State Mandates Act [30 ILCS 805/3(b) (2002)].

12) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking: The Board will accept written public comment on this proposal for 45 days after the date of publication in the *Illinois Register*. Comments should reference Docket R07-19 and be addressed to:

Clerk's Office
Illinois Pollution Control Board
100 W. Randolph St., Suite 11-500
Chicago, IL 60601

Interested persons may request copies of the Board's opinion and order by calling the Clerk's office at 312-814-3620, or may download copies from the Board's Web site at www.ipcb.state.il.us.

For more information contact hearing officer Tim Fox at 312/814-6085 or email at foxt@ipcb.state.il.us.

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13) Initial Regulatory Flexibility Analysis:

A) Types of small businesses, small municipalities and not for profit corporations affected: None

B) Reporting, bookkeeping or other procedures required for compliance: The proposed rulemaking requires the owner or operator of an affected source to perform required emissions monitoring, complete required tests, and record, report as required. The owner or operator of an affected source must also maintain emissions monitoring and testing information.

C) Types of Professional skills necessary for compliance: No professional skills beyond those currently required by the existing state and federal air pollution control regulations applicable to affected sources will be required.

14) Regulatory Agenda on which this rulemaking was summarized: January 2007

The full text of the Proposed Amendments begins on the next page:

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE B: AIR POLLUTION
CHAPTER I: POLLUTION CONTROL BOARD
SUBCHAPTER c: EMISSION STANDARDS AND LIMITATIONS FOR STATIONARY SOURCES

PART 211
DEFINITIONS AND GENERAL PROVISIONS

SUBPART A: GENERAL PROVISIONS

SUBPART B: DEFINITIONS

211.484	Animal
211.485	Animal Pathological Waste
211.490	Annual Grain Through-Put
211.495	Anti-Glare/Safety Coating
211.510	Application Area
211.530	Architectural Coating
211.550	As Applied
211.560	As-Applied Fountain Solution
211.570	Asphalt
211.590	Asphalt Prime Coat
211.610	Automobile
211.630	Automobile or Light-Duty Truck Assembly Source or Automobile or Light-Duty Truck Manufacturing Plant
211.650	Automobile or Light-Duty Truck Refinishing
211.660	Automotive/Transportation Plastic Parts
211.670	Baked Coatings
211.680	Bakery Oven
211.685	Basecoat/Clearcoat System
211.690	Batch Loading
211.695	Batch Operation
211.696	Batch Process Train
211.710	Bead-Dipping
211.730	Binders
211.750	British Thermal Unit
211.770	Brush or Wipe Coating
211.790	Bulk Gasoline Plant
211.810	Bulk Gasoline Terminal
211.820	Business Machine Plastic Parts
211.830	Can
211.850	Can Coating
211.870	Can Coating Line
211.890	Capture
211.910	Capture Device
211.930	Capture Efficiency
211.950	Capture System
211.953	Carbon Adsorber
211.955	Cement
211.960	Cement Kiln
211.970	Certified Investigation

211.980	Chemical Manufacturing Process Unit
211.990	Choke Loading
211.1010	Clean Air Act
211.1050	Cleaning and Separating Operation
211.1070	Cleaning Materials
211.1090	Clear Coating
211.1110	Clear Topcoat
211.1120	Clinker
211.1130	Closed Purge System
211.1150	Closed Vent System
211.1170	Coal Refuse
211.1190	Coating
211.1210	Coating Applicator
211.1230	Coating Line
211.1250	Coating Plant
211.1270	Coil Coating
211.1290	Coil Coating Line
211.1310	Cold Cleaning
211.1312	Combined Cycle System
211.1316	Combustion Turbine
211.1320	Commence Commercial Operation
211.1324	Commence Operation
211.1328	Common Stack
211.1330	Complete Combustion
211.1350	Component
211.1370	Concrete Curing Compounds
211.1390	Concentrated Nitric Acid Manufacturing Process
211.1410	Condensate
211.1430	Condensible PM-10
211.1465	Continuous Automatic Stoking
211.1467	Continuous Coater
211.1470	Continuous Process
211.1490	Control Device
211.1510	Control Device Efficiency
211.1515	Control Period
211.1520	Conventional Air Spray
211.1530	Conventional Soybean Crushing Source
211.1550	Conveyorized Degreasing
211.1570	Crude Oil

211.1590	Crude Oil Gathering
211.1610	Crushing
211.1630	Custody Transfer
211.1650	Cutback Asphalt
211.1670	Daily-Weighted Average VOM Content
211.1690	Day
211.1710	Degreaser
211.1730	Delivery Vessel
211.1740	Diesel Engine
211.1750	Dip Coating
211.1770	Distillate Fuel Oil
211.1780	Distillation Unit
211.1790	Drum
211.1810	Dry Cleaning Operation or Dry Cleaning Facility
211.1830	Dump-Pit Area
211.1850	Effective Grate Area
211.1870	Effluent Water Separator
211.1875	Elastomeric Materials
211.1880	Electromagnetic Interference/Radio Frequency Interference (EMI/RFI) Shielding Coatings
211.1885	Electronic Component
211.1890	Electrostatic Bell or Disc Spray
211.1900	Electrostatic Prep Coat
211.1910	Electrostatic Spray
211.1920	Emergency or Standby Unit
211.1930	Emission Rate
211.1950	Emission Unit
211.1970	Enamel
211.1990	Enclose
211.2010	End Sealing Compound Coat
211.2030	Enhanced Under-the-Cup Fill
211.2050	Ethanol Blend Gasoline
211.2070	Excess Air
211.2080	Excess Emissions
211.2090	Excessive Release
211.2110	Existing Grain-Drying Operation (Repealed)
211.2130	Existing Grain-Handling Operation (Repealed)
211.2150	Exterior Base Coat
211.2170	Exterior End Coat

211.2190	External Floating Roof
211.2210	Extreme Performance Coating
211.2230	Fabric Coating
211.2250	Fabric Coating Line
211.2270	Federally Enforceable Limitations and Conditions
211.2285	Feed Mill
211.2290	Fermentation Time
211.2300	Fill
211.2310	Final Repair Coat
211.2330	Firebox
211.2350	Fixed-Roof Tank
211.2360	Flexible Coating
211.2365	Flexible Operation Unit
211.2370	Flexographic Printing
211.2390	Flexographic Printing Line
211.2410	Floating Roof
211.2420	Fossil Fuel
211.2425	Fossil Fuel-Fired
211.2430	Fountain Solution
211.2450	Freeboard Height
211.2470	Fuel Combustion Emission Unit or Fuel Combustion Emission Source
211.2490	Fugitive Particulate Matter
211.2510	Full Operating Flowrate
211.2530	Gas Service
211.2550	Gas/Gas Method
211.2570	Gasoline
211.2590	Gasoline Dispensing Operation or Gasoline Dispensing Facility
211.2610	Gel Coat
211.2620	Generator
211.2630	Gloss Reducers
211.2650	Grain
211.2670	Grain-Drying Operation
211.2690	Grain-Handling and Conditioning Operation
211.2710	Grain-Handling Operation
211.2730	Green-Tire Spraying
211.2750	Green Tires
211.2770	Gross Heating Value
211.2790	Gross Vehicle Weight Rating
211.2810	Heated Airless Spray

211.2815	Heat Input
211.2820	Heat Input Rate
211.2830	Heatset
211.2850	Heatset Web Offset Lithographic Printing Line
211.2870	Heavy Liquid
211.2890	Heavy Metals
211.2910	Heavy Off-Highway Vehicle Products
211.2930	Heavy Off-Highway Vehicle Products Coating
211.2950	Heavy Off-Highway Vehicle Products Coating Line
211.2970	High Temperature Aluminum Coating
211.2990	High Volume Low Pressure (HVLP) Spray
211.3010	Hood
211.3030	Hot Well
211.3050	Housekeeping Practices
211.3070	Incinerator
211.3090	Indirect Heat Transfer
211.3110	Ink
211.3130	In-Process Tank
211.3150	In-Situ Sampling Systems
211.3170	Interior Body Spray Coat
211.3190	Internal-Floating Roof
211.3210	Internal Transferring Area
211.3230	Lacquers
211.3250	Large Appliance
211.3270	Large Appliance Coating
211.3290	Large Appliance Coating Line
211.3310	Light Liquid
211.3330	Light-Duty Truck
211.3350	Light Oil
211.3370	Liquid/Gas Method
211.3390	Liquid-Mounted Seal
211.3410	Liquid Service
211.3430	Liquids Dripping
211.3450	Lithographic Printing Line
211.3470	Load-Out Area
211.3480	Loading Event
211.3483	Long Dry Kiln
211.3485	Long Wet Kiln
211.3487	Low-NO_X Burner

211.3490	Low Solvent Coating
211.3500	Lubricating Oil
211.3510	Magnet Wire
211.3530	Magnet Wire Coating
211.3550	Magnet Wire Coating Line
211.3570	Major Dump Pit
211.3590	Major Metropolitan Area (MMA)
211.3610	Major Population Area (MPA)
211.3620	Manually Operated Equipment
211.3630	Manufacturing Process
211.3650	Marine Terminal
211.3660	Marine Vessel
211.3670	Material Recovery Section
211.3690	Maximum Theoretical Emissions
211.3695	Maximum True Vapor Pressure
211.3710	Metal Furniture
211.3730	Metal Furniture Coating
211.3750	Metal Furniture Coating Line
211.3770	Metallic Shoe-Type Seal
211.3780	Mid-Kiln Firing
211.3790	Miscellaneous Fabricated Product Manufacturing Process
211.3810	Miscellaneous Formulation Manufacturing Process
211.3830	Miscellaneous Metal Parts and Products
211.3850	Miscellaneous Metal Parts and Products Coating
211.3870	Miscellaneous Metal Parts or Products Coating Line
211.3890	Miscellaneous Organic Chemical Manufacturing Process
211.3910	Mixing Operation
211.3915	Mobile Equipment
211.3930	Monitor
211.3950	Monomer
211.3960	Motor Vehicles
211.3965	Motor Vehicle Refinishing
211.3970	Multiple Package Coating
211.3980	Nameplate Capacity
211.3990	New Grain-Drying Operation (Repealed)
211.4010	New Grain-Handling Operation (Repealed)
211.4030	No Detectable Volatile Organic Material Emissions
211.4050	Non-Contact Process Water Cooling Tower
211.4055	Non-Flexible Coating

211.4065	Non-Heatset
211.4067	NO_X Trading Program
211.4070	Offset
211.4090	One Hundred Percent Acid
211.4110	One-Turn Storage Space
211.4130	Opacity
211.4150	Opaque Stains
211.4170	Open Top Vapor Degreasing
211.4190	Open-Ended Valve
211.4210	Operator of a Gasoline Dispensing Operation or Operator of a Gasoline Dispensing Facility
211.4230	Organic Compound
211.4250	Organic Material and Organic Materials
211.4260	Organic Solvent
211.4270	Organic Vapor
211.4290	Oven
211.4310	Overall Control
211.4330	Overvarnish
211.4350	Owner of a Gasoline Dispensing Operation or Owner of a Gasoline Dispensing Facility
211.4370	Owner or Operator
211.4390	Packaging Rotogravure Printing
211.4410	Packaging Rotogravure Printing Line
211.4430	Pail
211.4450	Paint Manufacturing Source or Paint Manufacturing Plant
211.4470	Paper Coating
211.4490	Paper Coating Line
211.4510	Particulate Matter
211.4530	Parts Per Million (Volume) or PPM (Vol)
211.4550	Person
211.4590	Petroleum
211.4610	Petroleum Liquid
211.4630	Petroleum Refinery
211.4650	Pharmaceutical
211.4670	Pharmaceutical Coating Operation
211.4690	Photochemically Reactive Material
211.4710	Pigmented Coatings
211.4730	Plant
211.4740	Plastic Part

211.4750	Plasticizers
211.4770	PM-10
211.4790	Pneumatic Rubber Tire Manufacture
211.4810	Polybasic Organic Acid Partial Oxidation Manufacturing Process
211.4830	Polyester Resin Material(s)
211.4850	Polyester Resin Products Manufacturing Process
211.4870	Polystyrene Plant
211.4890	Polystyrene Resin
211.4910	Portable Grain-Handling Equipment
211.4930	Portland Cement Manufacturing Process Emission Source
211.4950.1	Portland Cement Process or Portland Cement Manufacturing Plant
211.4960	Potential Electrical Output Capacity
211.4970	Potential to Emit
211.4990	Power Driven Fastener Coating
211.5010	Precoat
211.5015	Preheater Kiln
211.5020	Preheater/Precalciner Kiln
211.5030	Pressure Release
211.5050	Pressure Tank
211.5060	Pressure/Vacuum Relief Valve
211.5061	Pretreatment Wash Primer
211.5065	Primary Product
211.5070	Prime Coat
211.5080	Primer Sealer
211.5090	Primer Surfacer Coat
211.5110	Primer Surfacer Operation
211.5130	Primers
211.5150	Printing
211.5170	Printing Line
211.5185	Process Emission Source
211.5190	Process Emission Unit
211.5210	Process Unit
211.5230	Process Unit Shutdown
211.5245	Process Vent
211.5250	Process Weight Rate
211.5270	Production Equipment Exhaust System
211.5310	Publication Rotogravure Printing Line
211.5330	Purged Process Fluid
211.5340	Rated Heat Input Capacity

211.5350	Reactor
211.5370	Reasonably Available Control Technology (RACT)
211.5390	Reclamation System
211.5410	Refiner
211.5430	Refinery Fuel Gas
211.5450	Refinery Fuel Gas System
211.5470	Refinery Unit or Refinery Process Unit
211.5480	Reflective Argent Coating
211.5490	Refrigerated Condenser
211.5500	Regulated Air Pollutant
211.5510	Reid Vapor Pressure
211.5530	Repair
211.5550	Repair Coat
211.5570	Repaired
211.5580	Repowering
211.5590	Residual Fuel Oil
211.5600	Resist Coat
211.5610	Restricted Area
211.5630	Retail Outlet
211.5650	Ringelmann Chart
211.5670	Roadway
211.5690	Roll Coater
211.5710	Roll Coating
211.5730	Roll Printer
211.5750	Roll Printing
211.5770	Rotogravure Printing
211.5790	Rotogravure Printing Line
211.5810	Safety Relief Valve
211.5830	Sandblasting
211.5850	Sanding Sealers
211.5870	Screening
211.5880	Screen Printing on Paper
211.5890	Sealer
211.5910	Semi-Transparent Stains
211.5930	Sensor
211.5950	Set of Safety Relief Valves
211.5970	Sheet Basecoat
211.5980	Sheet-Fed
211.5990	Shotblasting

211.6010	Side-Seam Spray Coat
211.6025	Single Unit Operation
211.6030	Smoke
211.6050	Smokeless Flare
211.6060	Soft Coat
211.6070	Solvent
211.6090	Solvent Cleaning
211.6110	Solvent Recovery System
211.6130	Source
211.6140	Specialty Coatings
211.6145	Specialty Coatings for Motor Vehicles
211.6150	Specialty High Gloss Catalyzed Coating
211.6170	Specialty Leather
211.6190	Specialty Soybean Crushing Source
211.6210	Splash Loading
211.6230	Stack
211.6250	Stain Coating
211.6270	Standard Conditions
211.6290	Standard Cubic Foot (scf)
211.6310	Start-Up
211.6330	Stationary Emission Source
211.6350	Stationary Emission Unit
211.6355	Stationary Gas Turbine
211.6360	Stationary Reciprocating Internal Combustion Engine
211.6370	Stationary Source
211.6390	Stationary Storage Tank
211.6400	Stencil Coat
211.6410	Storage Tank or Storage Vessel
211.6420	Strippable Spray Booth Coating
211.6430	Styrene Devolatilizer Unit
211.6450	Styrene Recovery Unit
211.6470	Submerged Loading Pipe
211.6490	Substrate
211.6510	Sulfuric Acid Mist
211.6530	Surface Condenser
211.6540	Surface Preparation Materials
211.6550	Synthetic Organic Chemical or Polymer Manufacturing Plant
211.6570	Tablet Coating Operation
211.6580	Texture Coat

211.6590	Thirty-Day Rolling Average
211.6610	Three-Piece Can
211.6620	Three or Four Stage Coating System
211.6630	Through-the-Valve Fill
211.6650	Tooling Resin
211.6670	Topcoat
211.6690	Topcoat Operation
211.6695	Topcoat System
211.6710	Touch-Up
211.6720	Touch-Up Coating
211.6730	Transfer Efficiency
211.6750	Tread End Cementing
211.6770	True Vapor Pressure
211.6790	Turnaround
211.6810	Two-Piece Can
211.6830	Under-the-Cup Fill
211.6850	Undertread Cementing
211.6860	Uniform Finish Blender
211.6870	Unregulated Safety Relief Valve
211.6880	Vacuum Metallizing
211.6890	Vacuum Producing System
211.6910	Vacuum Service
211.6930	Valves Not Externally Regulated
211.6950	Vapor Balance System
211.6970	Vapor Collection System
211.6990	Vapor Control System
211.7010	Vapor-Mounted Primary Seal
211.7030	Vapor Recovery System
211.7050	Vapor-Suppressed Polyester Resin
211.7070	Vinyl Coating
211.7090	Vinyl Coating Line
211.7110	Volatile Organic Liquid (VOL)
211.7130	Volatile Organic Material Content (VOMC)
211.7150	Volatile Organic Material (VOM) or Volatile Organic Compound (VOC)
211.7170	Volatile Petroleum Liquid
211.7190	Wash Coat
211.7200	Washoff Operations
211.7210	Wastewater (Oil/Water) Separator
211.7230	Weak Nitric Acid Manufacturing Process

AUTHORITY: Implementing Sections 9, 9.1, 9.9 and 10 and authorized by Sections 27 and 28.5 of the Environmental Protection Act [415 ILCS 5/9, 9.1, 9.9, 10, 27 and 28.5].

SOURCE: Adopted as Chapter 2: Air Pollution, Rule 201: Definitions, R71-23, 4 PCB 191, filed and effective April 14, 1972; amended in R74-2 and R75-5, 32 PCB 295, at 3 Ill. Reg. 5, p. 777, effective February 3, 1979; amended in R78-3 and 4, 35 PCB 75 and 243, at 3 Ill. Reg. 30, p. 124, effective July 28, 1979; amended in R80-5, at 7 Ill. Reg. 1244, effective January 21, 1983; codified at 7 Ill. Reg. 13590; amended in R82-1 (Docket A) at 10 Ill. Reg. 12624, effective July 7, 1986; amended in R85-21(A) at 11 Ill. Reg. 11747, effective June 29, 1987; amended in R86-34 at 11 Ill. Reg. 12267, effective July 10, 1987; amended in R86-39 at 11 Ill. Reg. 20804, effective December 14, 1987; amended in R82-14 and R86-37 at 12 Ill. Reg. 787, effective December 24, 1987; amended in R86-18 at 12 Ill. Reg. 7284, effective April 8, 1988; amended in R86-10 at 12 Ill. Reg. 7621, effective April 11, 1988; amended in R88-23 at 13 Ill. Reg. 10862, effective June 27, 1989; amended in R89-8 at 13 Ill. Reg. 17457, effective January 1, 1990; amended in R89-16(A) at 14 Ill. Reg. 9141, effective May 23, 1990; amended in R88-30(B) at 15 Ill. Reg. 5223, effective March 28, 1991; amended in R88-14 at 15 Ill. Reg. 7901, effective May 14, 1991; amended in R91-10 at 15 Ill. Reg. 15564, effective October 11, 1991; amended in R91-6 at 15 Ill. Reg. 15673, effective October 14, 1991; amended in R91-22 at 16 Ill. Reg. 7656, effective May 1, 1992; amended in R91-24 at 16 Ill. Reg. 13526, effective August 24, 1992; amended in R93-9 at 17 Ill. Reg. 16504, effective September 27, 1993; amended in R93-11 at 17 Ill. Reg. 21471, effective December 7, 1993; amended in R93-14 at 18 Ill. Reg. 1253, effective January 18, 1994; amended in R94-12 at 18 Ill. Reg. 14962, effective September 21, 1994; amended in R94-14 at 18 Ill. Reg. 15744, effective October 17, 1994; amended in R94-15 at 18 Ill. Reg. 16379, effective October 25, 1994; amended in R94-16 at 18 Ill. Reg. 16929, effective November 15, 1994; amended in R94-21, R94-31 and R94-32 at 19 Ill. Reg. 6823, effective May 9, 1995; amended in R94-33 at 19 Ill. Reg. 7344, effective May 22,

1995; amended in R95-2 at 19 Ill. Reg. 11066, effective July 12, 1995; amended in R95-16 at 19 Ill. Reg. 15176, effective October 19, 1995; amended in R96-5 at 20 Ill. Reg. 7590, effective May 22, 1996; amended in R96-16 at 21 Ill. Reg. 2641, effective February 7, 1997; amended in R97-17 at 21 Ill. Reg. 6489, effective May 16, 1997; amended in R97-24 at 21 Ill. Reg. 7695, effective June 9, 1997; amended in R96-17 at 21 Ill. Reg. 7856, effective June 17, 1997; amended in R97-31 at 22 Ill. Reg. 3497, effective February 2, 1998; amended in R98-17 at 22 Ill. Reg.11405, effective June 22, 1998; amended in R01-9 at 25 Ill. Reg. 128, effective December 26, 2000; amended in R01-11 at 25 Ill. Reg. 4597, effective March 15, 2001; amended in R01-17 at 25 Ill. Reg. 5900, effective April 17, 2001; amended in R05-16 at 29 Ill. Reg. 8181, effective May 23, 2005; amended in R05-11 at 29 Ill. Reg.8892, effective June 13, 2005; amended in R04-12/20 at 30 Ill. Reg. 9654, effective May 15, 2006; amended in R07-19 at 31 Ill. Reg. _____, effective _____.

SUBPART B: DEFINITIONS

Section 211.1740 Diesel Engine

"Diesel engine" means for the purposes of 35 Ill. Adm. Code 217, Subpart Q, a compression ignited two- or four-stroke engine in which liquid fuel injected into the combustion chamber ignites when the air charge is compressed to a temperature sufficiently high for auto-ignition.

(Source: Added at 31 Ill. Reg._____, effective _____)

Section 211.1920 Emergency or Standby Unit

"Emergency or Standby Unit" means, for a stationary gas turbine or stationary reciprocating internal combustion engine, a unit that:

a) Supplies power for the source at which it is located but operates only when the normal supply of power has been rendered unavailable by circumstances beyond the control of the owner or operator of the source and only as necessary to assure the availability of the engine or turbine. An emergency standby unit may not be operated to supplement a primary power source when the load capacity or rating of the primary power source has been reached or exceeded.~~;~~

b) Operates exclusively for firefighting or flood control or both.~~; or~~

c) Operates in response to and during the existence of any officially declared disaster or state of emergency.

d) Operates for the purpose of testing, repair or routine maintenance to verify its readiness for emergency standby use.

The term does not include equipment used for purposes other than emergencies, as described above, such as to supply power during high electric demand days.

(Source: Amended at 31 Ill. Reg._____, effective _____)

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

1) Heading of the Part: Nitrogen Oxides Emissions

2) Code Citation: 35 Ill. Adm. Code Part 217

3)

Section Numbers:	Proposed Action:
217.386	New
217.388	New
217.390	New
217.392	New
217.394	New
217.396	New

4) Statutory Authority: Section 27 of the Illinois Environmental Protection Act [415 ILCS 5/27]

5) A Complete Description of the Subjects and Issues Involved: This rulemaking was initiated by an April 6, 2007 proposal made by the Illinois Environmental Protection Agency for amendments to 35 Ill. Adm. Code 201.146, 211, and 217, citing as authority among other things the fast track rulemaking procedures of Section 28.5 of the Environmental Protection Act, [415 ILCS 5/28.5]. The Board received an objection to the use of the fast-track procedures on April 16, 2007 from ANR Pipeline, Natural Gas Pipeline Company, Trunkline Gas Company, and Panhandle Eastern Pipeline Company, and on April 17, 2007 the Illinois Environmental Regulatory Group. Consistent with the strict timeframes of Section 28.5 of the Act, the Board filed the entire rule proposal with the Secretary of State, pending receipt of responses to the objections and ruling on them. Nitrogen Oxide (NO_x) Emissions from Stationary Reciprocating Internal Combustion Engines and Turbines: Amendments to 35 Ill. Adm. Code Section 201.146, 211 and 217, R07-18 (April 19, 2007). This was published at 35 Ill. Reg. 6597 (May 4, 2007).

The Board ruled on the objections in a single May 17, 2007 order, finding that the IEPA April 6, 2007 proposal must be handled in two dockets under separate statutory authorities and rulemaking tracks. Since some portions of the proposed new 217.Subpart Q do not meet the standard for a fast track rule under Section 28.5 of the Act, the Board created a new docket to proceed with non-qualifying provisions under Section 27. Accordingly, the Board bifurcated the amendments that were originally proposed. Docket R07-18 was retitled and is continuing under the Section 28.5 the hearing schedule for only those amendments that qualify as fast track rules. The text of these rules is identified as Attachment A to the Board's order in R07-18 Fast-Track Rules Under Nitrogen Oxide (NO_x) SIP Call Phase II: Amendments to 35 Ill. Adm. Code Section 201.146, Parts 211 and 217 and R07-19 Section 27 Proposed Rules for Nitrogen Oxide

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

(NO_x) Emissions From Stationary Reciprocating Internal Combustion Engines and Turbines: Amendments to 35 Ill. Adm. Code Parts 211 and 217 (May 17, 2007).

In this publication the Board is proposing, under its general rulemaking authority at Section 27 of the Act [415 ILCS 5/27], the new 217.Subpart Q with all text as proposed in the original R07-18 docket, including that text which did not qualify under the fast track process. The Board is in the process of scheduling hearings in this rulemaking.

These amendments are substantively identical to the proposed 217.Subpart Q that was published in the *Illinois Register* on May 4, 2007 at 31 Ill. Reg. 6597. As was explained in those notice pages, the IEPA's statement of reasons explained that these rules are proposed to meet certain obligations of the State of Illinois under the Clean Air Act, 42 USC § 7401 *et seq.*. This Statewide proposal will regulate NO_x emissions from turbines and smaller engines, as part of the State's obligation to meet NO_x reasonably available control technology (RACT) requirements for the 8-hour ozone and fine particulate matter (PM2.5) National Ambient Air Quality Standards (NAAQS), reasonable further progress (RFP), and attainment demonstration requirements.

6) Published studies or reports, and sources of underlying data, used to compose this rulemaking: The regulatory proposal included the Illinois EPA's *Technical Support Document for Controlling NO_x Emissions from Stationary Reciprocating Internal Combustion Engines and Turbines*(TSD) that relied on several published studies and reports. Copies of the reports that the Illinois EPA relied upon are available for review with the Pollution Control Board and are listed below.

Technical Support Document for Final Clean Air Interstate Rule, Air Quality Modeling, U.S. EPA, Research Triangle Park, NC, March 2005.

Alternative Control Techniques Document – NOx Emissions from Stationary Reciprocating Internal Combustion Engines, EPA-453/R-93-032, July 1993, U.S. EPA, OAQPS, RTP, NC 27711.

Alternative Control Techniques Document – NOx Emissions from Stationary Gas Turbines, EPA-453/R-91-007, January 1993, U.S. EPA, OAQPS, RTP, NC 27711.

Controlling Nitrogen Oxides Under the Clean Air Act: A Menu of Options, July 1994, State and Territorial Air Pollution Program Administrators/Association of Local Air Pollution Control Officials.

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Regulatory Impacts Analysis for the NO_x SIP Call, FIP, and Section 126 Petitions, Volume 1: Costs and Economic Impacts, EPA-452/R-98-003, September 1998, U.S. EPA, Office of Air and Radiation, Washington, DC 20460.

Stationary Reciprocating Internal Combustion Engines Technical Support Document for NO_x SIP Call, October 2003, Doug/Grano/Bill Neuffer, EPA OAR, OAQPS, OPSG.

Assessment of Regional NOx Emissions in the Upper Midwest, Lake Michigan Directors' Consortium, February 15, 2007 (Att. A to TSD).

7) Will this rulemaking replace any emergency rulemaking currently in effect? No

8) Does this rulemaking contain an automatic repeal date? No

9) Does this rulemaking contain incorporations by reference? Yes

10) Are there any other proposed amendments pending on this Part? Yes

Section Numbers:	Proposed Action:	Illinois Register Publication:
217.386	New Section	31 Ill. Reg. 6597; May 4, 2007
217.388	New Section	31 Ill. Reg. 6597; May 4, 2007
217.390	New Section	31 Ill. Reg. 6597; May 4, 2007
217.392	New Section	31 Ill. Reg. 6597; May 4, 2007
217.394	New Section	31 Ill. Reg. 6597; May 4, 2007
217.396	New Section	31 Ill. Reg. 6597; May 4, 2007

11) Statement of Statewide Policy Objectives: This proposed rulemaking does not create or enlarge a State mandate, as defined in Section 3(b) of the State Mandates Act [30 ILCS 805/3(b) (2002)].

12) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking: The Board will accept written public comment on this proposal for 45 days after the date of publication in the *Illinois Register*. Comments should reference Docket R07-19 and be addressed to:

Clerk's Office
Illinois Pollution Control Board
100 W. Randolph St., Suite 11-500
Chicago, IL 60601

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENTS

Interested persons may request copies of the Board's opinion and order by calling the Clerk's office at 312/814-3620, or may download copies from the Board's Web site at www.ipcb.state.il.us.

For more information contact hearing officer Tim Fox at 312/814-6085 or email at foxt@ipcb.state.il.us.

13) Initial Regulatory Flexibility Analysis:

A) Types of small businesses, small municipalities and not for profit corporations affected: None

B) Reporting, bookkeeping or other procedures required for compliance: The proposed rulemaking requires the owner or operator of an affected source to perform required emissions monitoring, complete required tests, and record, report as required. The owner or operator of an affected source must also maintain emissions monitoring and testing information.

C) Types of Professional skills necessary for compliance: No professional skills beyond those currently required by the existing state and federal air pollution control regulations applicable to affected sources will be required.

14) Regulatory Agenda on which this rulemaking was summarized: January 2007

The full text of the Proposed Amendments begins on the next page:

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE B: AIR POLLUTION
CHAPTER I: POLLUTION CONTROL BOARD
SUBCHAPTER C: EMISION STANDARDS AND LIMITATIONS FOR STATIONARY SOURCES

PART 217
NITROGEN OXIDES EMISSIONS
SUBPART A: GENERAL PROVISIONS

Section
217.100 Scope and Organization
217.101 Measurement Methods
217.102 Abbreviations and Units
217.103 Definitions
217.104 Incorporations by Reference

SUBPART B: NEW FUEL COMBUSTION EMISSION SOURCES

Section
217.121 New Emission Sources

SUBPART C: EXISTING FUEL COMBUSTION EMISSION SOURCES

Section
217.141 Existing Emission Sources in Major Metropolitan Areas

SUBPART K: PROCESS EMISSION SOURCES

Section
217.301 Industrial Processes

SUBPART O: CHEMICAL MANUFACTURE

Section
217.381 Nitric Acid Manufacturing Processes

SUBPART Q: STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINES AND TURBINES

Section

SUBPART T: CEMENT KILNS

SUBPART U: NO_x CONTROL AND TRADING PROGRAM FOR SPECIFIED NO_x GENERATING UNITS

POLLUTION CONTROL BOARD

NOTICE OF PROPOSED AMENDMENT

SUBPART V: ELECTRIC POWER GENERATION

SUBPART W: NO_x TRADING PROGRAM FOR ELECTRICAL GENERATING UNITS

SUBPART X: VOLUNTARY NO_x EMISSIONS REDUCTION PROGRAM

Authority: Implementing Sections 9.9 and 10 and authorized by Sections 27 and 28.5 of the Environmental Protection Act [415 ILCS 5/9.9, 10, 27 and 28.5 (2004)].

Source: Adopted as Chapter 2: Air Pollution, Rule 207: Nitrogen Oxides Emissions, R71-23, 4 PCB 191, April 13, 1972, filed and effective April 14, 1972; amended at 2 Ill. Reg. 17, p. 101, effective April 13, 1978; codified at 7 Ill. Reg. 13609; amended in R01-9 at 25 Ill. Reg. 128, effective December 26, 2000; amended in R01-11 at 25 Ill. Reg. 4597, effective March 15, 2001; amended in R01-16 and R01-17 at 25 Ill. Reg. 5914, effective April 17, 2001; amended in R07-19 at 31 Ill. Reg. _____, effective _____.

SUBPART Q: STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINES AND TURBINES

Section 217.386 Applicability

a) A stationary reciprocating internal combustion engine or turbine that meets the criteria in subsection (a)(1) or (a)(2) of this Section is an affected unit and is subject to the requirements of this Subpart Q.

1) The engine at nameplate capacity is rated at equal to or greater than 500 bhp output; or

2) The turbine is rated at equal to or greater than 3.5 MW (4,694 bhp) output at 14.7 psia, 59°F, and 60 percent relative humidity.

b) Notwithstanding subsection (a) of this Section, an engine or turbine will not be an affected unit and is not subject to the requirements of this Subpart Q, if the engine or turbine is or has:

1) Used as an emergency or standby unit as defined by 35 Ill. Adm. Code 211.1920;

2) Used for research or for the purposes of performance verification or testing;

3) Used to control emissions from landfills, where at least 50 percent of the heat input is gas collected from a landfill;

4) Used for agricultural purposes including the raising of crops or livestock that are produced on site, but not associated businesses like packing operations, sale of equipment or repair;

5) A nameplate capacity rated at less than 1500 bhp (1118 kW) output, mounted on a chassis or skids, designed to be moveable, and moved to a different source at least once every 12 months; or

6) Regulated under Subpart W or a subsequent federal NO_x Trading program for electrical generating units.

c) If an exempt unit ceases to fulfill the criteria specified in subsection (b) of this Section, the owner or operator must notify the Agency in writing within 30 days after becoming aware that the exemption no longer applies and comply with the control requirements of this Subpart Q.

d) The requirements of this Subpart Q will continue to apply to any engine or turbine that has ever been subject to the control requirements of Section 217.388, even if the affected unit ceases to fulfill the rating requirements of subsection (a) of this

Section or becomes eligible for an exemption pursuant to subsection (b) of this Section.

(Source: Added at 31 Ill. Reg. _____, effective _____.)

Section 217.388 Control and Maintenance Requirements

On and after the applicable compliance date in Section 217.392, an owner or operator of an affected unit must inspect and maintain affected units as required by subsection (d) of this Section and comply with either the applicable emissions concentration as set forth in subsection (a) of this Section, or the requirements for an emissions averaging plan as specified in subsection (b) of this Section or the requirements for operation as a low usage unit as specified in subsection (c) of this Section.

a) The owner or operator must limit the discharge from an affected unit into the atmosphere of any gases that contain NO_x to no more than:

1) 150 ppmv (corrected to 15 percent O_2 on a dry basis) for spark-ignited rich-burn engines;

2) 210 ppmv (corrected to 15 percent O_2 on a dry basis) for spark-ignited lean-burn engines, except for existing spark-ignited Worthington engines that are not listed in Appendix G;

3) 365 ppmv (corrected to 15 percent O_2 on a dry basis) for existing spark-ignited Worthington engines that are not listed in Appendix G;

4) 660 ppmv (corrected to 15 percent O_2 on a dry basis) for diesel engines;

5) 42 ppmv (corrected to 15 percent O_2 on a dry basis) for gaseous fuel-fired turbines; and

6) 96 ppmv (corrected to 15 percent O_2 on a dry basis) for liquid fuel-fired turbines.

b) The owner or operator must comply with the requirements of the applicable emissions averaging plan as set forth in Section 217.390.

c) The owner or operator must operate the affected unit as a low usage unit pursuant to subsection (c)(1) or (c)(2) of this Section. Low usage units are not subject to the requirements of this Subpart Q except for the requirements to inspect and maintain the unit pursuant to subsection (d) of this Section, and retain records pursuant to Sections 217.396(b) and (c). Only one of the following exemptions may be utilized at a particular source:

1) The potential to emit (PTE) is no more than 100 TPY NO_x aggregated from all engines and turbines located at the source that are not otherwise exempt pursuant to Section 217.386(b), and not complying with the requirements of subsection (a) or (b) of this Section and the NO_x PTE limit is contained in a federally enforceable permit; or

2) The aggregate bhp-hr/MW-hr from all affected units located at the source that are not exempt pursuant to Section 217.386(b), and not complying with the requirements of subsection (a) or (b) of this Section, are less than or equal to the bhp-hrs and MW-hrs operation limit listed in subsection (c)(2)(A) and (c)(2)(B) of this Section. For units not located at a natural gas transmission compressor station or storage facility that drive a natural gas compressor station, the operation limits of subsections (c)(2)(A) and (B) of this Section must be contained in a federally enforceable permit.

A) 8 mm bhp-hrs or less on an annual basis for engines; and

B) 20,000 MW-hrs or less on an annual basis for turbines.

d) The owner or operator must inspect and perform periodic maintenance on the affected unit, in accordance with a Maintenance Plan that documents:

1) For a unit not located at natural gas transmission compressor station or storage facility either:

A) The manufacturer's recommended inspection and maintenance of the applicable air pollution control equipment, monitoring device, and affected unit; or

B) If the original equipment manual is not available or substantial

modifications have been made that require an alternative procedure for the applicable air pollution control device, monitoring device, or affected unit, the owner or operator must establish a plan for inspection and maintenance in accordance with what is customary for the type of air pollution control equipment, monitoring device, and affected unit.

2) For a unit located at a natural gas compressor station or storage facility, the operator's maintenance procedures for the applicable air pollution control device, monitoring device, and affected unit.

(Source: Added at 31 Ill. Reg. _____, effective _____.)

Section 217.390 Emissions Averaging Plans

a) An owner or operator of certain affected units may comply through an emissions averaging plan.

1) The unit or units that commenced operation before January 1, 2002, may be included in an emissions averaging plan as follows:

A) Units located at a single source or at multiple sources in Illinois, so long as the units are owned by the same company or parent company where the parent company has working control through stock ownership of its subsidiary corporations. A unit may be listed in only one emissions averaging plan;

B) Units that have a compliance date later than the control period for which the averaging plan is being used for compliance; and

C) Units which the owner or operator may claim as exempt pursuant to Section 217.386(b) but does not claim exempt. For as long as such a unit is included in an emissions averaging plan, it will be treated as an affected unit and subject to the applicable emission concentration limits, testing, monitoring, recordkeeping and reporting requirements.

2) The following types of units may not be included in an emissions averaging plan:

A) Units that commence operation after January 1, 2002, unless the unit replaces an engine or turbine that commenced operation on or before January 1, 2002, or it replaces an engine or turbine that replaced a unit that commenced operation on or before January 1, 2002. The new unit must be used for the same purpose as the replacement unit. The owner or operator of a unit that is shutdown and replaced must comply with the provisions of Section 217.396(d)(3) before the replacement unit may be included in an emissions averaging plan.

B) Units which the owner or operator is claiming are exempt pursuant to Section 217.386(b) or as a low usage unit pursuant to Section 217.388(c).

b) An owner or operator must submit an emissions averaging plan to the Agency by the applicable compliance date set forth in Section 217.392. The plan must include, but is not limited to:

1) The list of affected units included in the plan by unit identification number and permit number.

2) A sample calculation demonstrating compliance using the methodology provided in subsection (f) of this Section for both the ozone season and calendar year.

c) An owner or operator may amend an emissions averaging plan only once per calendar year. An amended plan must be submitted to the Agency by May 1 of the applicable calendar year. If an amended plan is not received by the Agency by May 1 of the applicable calendar year, the previous year's plan will be the applicable emissions averaging plan.

d) Notwithstanding subsection (c) of this Section, an owner or operator, and the buyer, if applicable:

1) Must submit an updated emissions averaging plan or plans to the Agency

within 60 days, if a unit that is listed in an emissions averaging plan is sold or taken out of service.

2) May amend its emissions averaging plan to include another unit within 30 days of discovering that the unit no longer qualifies as an exempt unit pursuant to Section 217.386(b) or as a low usage unit pursuant to Section 217.388(c).

e) An owner or operator must:

1) Demonstrate compliance for both the ozone season (May 1 through September 30) and the calendar year (January 1 through December 31) by using the methodology and the units listed in the most recent emissions averaging plan submitted to the Agency pursuant to subsection (b) of this Section; the higher of the monitoring or test data determined pursuant to Section 217.394; and the actual hours of operation for the applicable control period;

2) Notify the Agency by October 31 following the ozone season, if compliance cannot be demonstrated for that ozone season; and

3) Submit to the Agency by January 31 following each calendar year, a compliance report containing the information required by Section 217.396(d)(4).

f) The total mass of actual NO_x emissions from the units listed in the emissions averaging plan must be equal to or less than the total mass of allowable NO_x emissions for those units for both the ozone season and calendar year. The following equation must be used to determine compliance:

$$N_{act} \leq N_{all}$$

Where:

$$N_{act} = \sum_{i=1}^{n} EM_{act(i)}$$

$$N_{all} = \sum_{i=1}^{n} EM_{all(i)}$$

N_{act} = Total sum of the actual NO_x mass emissions from units included in the averaging plan for each fuel used (lbs per ozone season and calendar year).

N_{all} = Total sum of the allowable NO_x mass emissions from units included in the averaging plan for each fuel used (lbs per ozone season and calendar year).

$EM_{all(i)}$ = Total mass of allowable NO_x emissions in lbs for a unit as determined in subsection (g)(2), (g)(3), (g)(4), (g)(5),or (g)(6) of this Section.

$EM_{act(i)}$ = Total mass of actual NO_X emissions in lbs for a unit as determined in subsection (g)(1), (g)(3), (g)(5) or (h) of this Section.

i = Subscript denoting an individual unit and fuel used.

n = Number of different units in the averaging plan.

g) For each unit in the averaging plan, and each fuel used by a unit, determine actual and allowable NO_x emissions using the following equations, except as provided for in subsection (h) of this Section:

1) Actual emissions must be determined as follows:

$$EM_{act(i)} = E_{act(i)} \times H_i$$

$$E_{act(i)} = \frac{\sum_{j=1}^{m} C_{d(act(j))} x F_d x \left(\frac{20.9}{20.9 - \%O_{2d(j)}} \right)}{m}$$

2) Allowable emissions must be determined as follows:

$$EM_{all(i)} = E_{all(i)} \times H_i$$

$$E_{all(i)} = \frac{\sum_{j=1}^{m} C_{d(all)} x F_d x \left(\frac{20.9}{20.9 - \%O_{2d(j)}} \right)}{m}$$

Where:

$EM_{act(i)}$ = Total mass of actual NO_x emissions in lbs for a unit.

$EM_{all(i)}$ = Total mass of allowable NO_x emissions in lbs for a unit.

E_{act} = Actual NO_x emission rate (lbs/mmBtu) calculated according to the above equation.

E_{all} = Allowable NO_x emission rate (lbs/mmBtu) calculated according to the above equation.

H = Heat input (mmBtu/ozone season or mmBtu/year) calculated from fuel flow meter and the heating value of the fuel used.

$C_{d(act)}$ = Actual concentration of NO_x in lb/dscf (ppmv x 1.194 x 10^{-7}) on a dry basis for the fuel used. Actual concentration is determined on each of the most recent test run or monitoring pass performed pursuant to Section 217.394, whichever is higher.

$C_{d(all)}$ = Allowable concentration of NO_x in lb/dscf (allowable emission limit in ppmv specified in Section 217.388(a), except as provided for in subsection (g)(6) of this Section, if applicable.
multiplied by 1.194 x 10^{-7}) on a dry basis for the fuel used.

F_d = The ratio of the gas volume of the products of combustion to the heat content of the fuel (dscf/mmBtu) as given in the table of F Factors included in 40 CFR 60, Appendix A, Method 19 or as determined using 40 CFR 60, Appendix A, Method 19.

$\%O_{2d}$ = Concentration of oxygen in effluent gas stream measured on a dry basis during each of the applicable test or monitoring runs used for determining emissions, as represented by a whole number percent, e.g., for 18.7%O_{2d}, 18.7 would be used.

i = Subscript denoting an individual unit and the fuel used.

j = Subscript denoting each test run or monitoring pass for an affected unit for a given fuel.

m = The number of test runs or monitoring passes for an affected unit using a given fuel.

3) For a replacement unit that is electric-powered, the allowable NO_x emissions from the affected unit that was replaced should be used in the

averaging calculations and the actual NO_x emissions for the electric-powered replacement unit ($EM_{(i)act\ elec}$) are zero. Allowable NO_x emissions for the electric-powered replacement are calculated using the actual total bhp-hrs generated by the electric-powered replacement unit on an ozone season and on an annual basis multiplied by the allowable NO_x emission rate in lb/bhp-hr of the replaced unit.

The allowable mass of NO_x emissions from an electric-powered replacement unit ($EM_{(i)all\ elec}$) must be determined by multiplying the nameplate capacity of the unit by the hours operated during the ozone season or annually and the allowable NO_x emission rate of the replaced unit ($E_{all\ rep}$) in lb/mmBtu converted to lb/bhp-hr. For this calculation the following equation should be used:

$$EM_{all\ elec(i)} = bhp \times OP \times F \times E_{all\ rep(i)}$$

Where:

$EM_{all\ elec(i)}$ = Mass of allowable NO_x emissions from the electric-powered replacement unit in pounds per ozone season or calendar year.

bhp = Nameplate capacity of the electric-powered replacement unit in brake-horsepower.

OP = Operating hours during the ozone season or calendar year.

F = Conversion factor of 0.0077 mmBtu/bhp-hr.

$E_{all\ rep(i)}$ = Allowable NO_X emission rate (lbs/mmBtu) of the replaced unit.

i = Subscript denoting an individual electric unit and the fuel used.

4) For a replacement unit that is not electric, the allowable NO_x emissions rate used in the above equations set forth in subsection (g)(2) of this Section must be either:

A) Prior to the applicable compliance date for the replaced unit pursuant to Section 217.392, the higher of the actual NO_x emissions as determined by testing or monitoring data or the applicable uncontrolled NO_x emissions factor from Compilation of

Air pollutant emission Factors: AP-42, Volume I: Stationary Point and Area Sources, as incorporated by reference in Section 217.104 for the unit that was replaced; or

B) On and after the applicable compliance date for the replaced unit pursuant to Section 217.392, the applicable emissions concentration for the type of unit that replaced pursuant to Section 217.388(a).

5) For a unit that is replaced with purchased power, the allowable NO_x emissions rate used in the above equations set forth in subsection (g)(2) of this Section must be the emissions concentration as set forth in Section 217.388(a) or subsection (g)(6) of this Section, when applicable, for the type of unit that was replaced. For owners or operators replacing units with purchased power, the annual hours of operations that must be used are the calendar year hours of operation for the unit that was shutdown averaged over the three-year period prior to the shutdown. The actual NO_x emissions for the units replaced by purchased power ($EM_{(i)act}$) are zero. These units may be included in any emissions averaging plan for no more than five years beginning with the calendar year that the replaced unit is shut down.

6) For units that have a later compliance date, allowable emissions rate used in the above equations set forth in subsection (g)(2) of this Section must be:

A) Prior to the applicable compliance date pursuant to Section 217.392, the higher of the actual NO_x emissions as determined by testing or monitoring data, or the applicable uncontrolled NO_x emissions factor from Compilation of Air Pollutant Emission Factors: AP-42, Volume I: Stationary Point and Areas Sources, as incorporated by reference in Section 217.104; and

B) On and after the units applicable compliance date pursuant to Section 217.392, the applicable emissions concentration for that type of unit pursuant to Section 217.388(a).

h) For units that use CEMS the data must show that the total mass of actual NO_x

emissions determined pursuant to subsection (h)(1) of this Section is less than or equal to the allowable NO_x emissions calculated in accordance with the equations in subsections (f) and (h)(2) of this Section for both the ozone season and calendar year. The equations in subsection (g) of this Section will not apply.

1) The total mass of actual NO_x emissions in lbs for a unit (EM_{act}) must be the sum of the total mass of actual NO_x emissions from each affected unit using CEMS data collected in accordance with 40 CFR 60 or 75, or alternate methodology that has been approved by the Agency or USEPA and included in a federally enforceable permit.

2) The allowable NO_x emissions must be determined as follows:

$$EM_{(all)} = \sum_{i=1}^{m} (Cd_i * flowstack_i * 1.194x10^{-7})$$

Where:

$EM_{all(i)}$	=	Total mass of allowable NO_x emissions in lbs for a unit.
$Flow_i$	=	Stack flow (dscf/hr) for a given stack.
Cd_i	=	Allowable concentration of NO_x (ppmv) specified in Section 217.388(a) of this subpart for a given stack. (1.194×10^{-7}) converts to lb/dscf).
j	=	subscript denoting each hour operation of a given unit.
m	=	Total number of hours of operation of a unit.
i	=	Subscript denoting an individual unit and the fuel used.

(Source: Added at 31 Ill. Reg. _____, effective _____.)

Section 217.392 Compliance

a) An owner or operator of an affected unit may not operate that unit unless it meets the applicable concentration limit in Section 217.388(a), or is included in an emissions averaging plan pursuant to Section 217.388(b), or meets the low usage requirements pursuant to Section 217.388(c), and complies with all other applicable requirements of this Subpart Q by the earliest applicable date listed below:

1) On and after May 1, 2007, an owner or operator of an affected engine listed in Appendix G may not operate the affected engine unless the requirements of this Subpart Q are met or the affected engine is exempt pursuant to Section 217.386(b);

2) On and after January 1, 2009, an owner or operator of an affected unit and that is located in Cook, DuPage, Aux Sable Township and Goose Lake Township in Grundy, Kane, Oswego Township in Kendall, Lake, McHenry, Will, Jersey, Madison, Monroe, Randolph Township in Randolph, or St. Clair County, and is not listed in Appendix G may not operate the affected unit unless the requirements of this Subpart Q are met or the affected unit is exempt pursuant to Section 217.386(b);

3) On and after January 1, 2011, an owner or operator of an affected engine with a nameplate capacity rated at 1500 bhp or more, and affected turbines rated at 5 MW (6,702 bhp) or more that is not subject to subsection (a)(1) or (a)(2) of this Section, may not operate the affected unit unless the requirements of this Subpart Q are met or the affected unit is exempt pursuant to Section 217.386(b); or

4) On and after January 1, 2012, an owner or operator of an affected engine with a nameplate capacity rated at less than 1500 bhp or an affected turbine rated at less than 5 MW (6,702 bhp) that is not subject to subsection (a)(1), (a)(2) or (a)(3) of this Section, may not operate the affected engine or turbine unless the requirements of this Subpart Q are met or the affected unit is exempt pursuant to Section 217.386(b).

b) Owners and operators of an affected unit may use NO_x allowances to meet the compliance requirements in Section 217.388 as specified below. A NO_x allowance is defined as an allowance used to meet the requirements of a NO_x trading program administered by USEPA where one allowance is equal to one ton of NO_x emissions.

1) NO_x allowances may only be used under the following circumstances:

A) An anomalous or unforeseen operating scenario inconsistent with historical operations for a particular ozone season or calendar year

that causes an emissions exceedance.

B) To achieve compliance no more than twice in any rolling five-year period.

C) For a unit that is not listed in Appendix G.

2) The owner or operator of the affected unit must surrender to the Agency one NO_x allowance for each ton or portion of a ton of NO_x by which actual emissions exceed allowed emissions. For noncompliance with a seasonal limit, a NO_x ozone season allowance must be used. For noncompliance with the emissions concentration limits in Section 217.388(a) or an annual limitation in an emissions averaging plan, only a NO_x annual allowance may be used.

3) The owner or operator must submit a report documenting the circumstances that required the use of NO_x allowances and identify what actions will be taken in subsequent years to address these circumstances and must transfer the NO_x allowances to the Agency's federal NO_x retirement account. The report and the transfer of allowances must be submitted by October 31 for exceedances during the ozone season and March 1 for exceedances of the emissions concentration or the annual emission averaging plan limits. The report must contain the NATS serial numbers of the NO_x allowances.

(Source: Added at 31 Ill. Reg. _____, effective _____.)

Section 217.394 Testing and Monitoring

a) An owner or operator of an engine or turbine must conduct an initial performance test pursuant to subsection (c)(1) or (c)(2) of this Section as follows:

1) By May 1, 2007, for affected engines listed in Appendix G. Performance tests must be conducted on units listed in Appendix G, even if the unit is included in an emissions averaging plan pursuant to Section 217.388(b).

2) By the applicable compliance date as set forth in Section 217.392, or

within the first 876 hours of operation per calendar year, whichever is later:

A) For affected units not listed in Appendix G that operate more than 876 hours per calendar year; and

B) For units that are not affected units that are included in an emissions averaging plan and operate more than 876 hours per calendar year.

3) Once within the five-year period after the applicable compliance date as set forth in Section 217.392:

A) For affected units that operate fewer than 876 hours per calendar year; and

B) For units that are not affected units that are included in an emissions averaging plan and that operate fewer than 876 hours per calendar year

b) An owner or operator of an engine or turbine must conduct subsequent performance tests pursuant to subsection (c)(1) or (c)(2) of this Section as follows:

1) For affected engines listed in Appendix G and all units included in an emissions averaging plan, once every five years. Testing must be performed in the calendar year by May 1 or within 60 days of starting operation, whichever is later;

2) If the monitored data shows that the unit is not in compliance with the applicable emissions concentration or emissions averaging plan, the owner or operator must report the deviation to the Agency in writing within 30 days and conduct a performance test pursuant to subsection (c) of this Section within 90 days of the determination of noncompliance; and

3) When in the opinion of the Agency or USEPA, it is necessary to conduct testing to demonstrate compliance with Section 217.388, the owner or operator of a unit must, at his or her own expense, conduct the test in

accordance with the applicable test methods and procedures specified in this Section 217.394 within 90 days of receipt of a notice to test from the Agency or USEPA.

c) Testing Procedures:

1) For an engine: The owner or operator must conduct a performance test using Method 7 or 7E of 40 CFR 60, Appendix A, as incorporated by reference in Section 217.104. Each compliance test must consist of three separate runs, each lasting a minimum of 60 minutes. NO_x emissions must be measured while the affected unit is operating at peak load. If the unit combusts more than one type of fuel (gaseous or liquid) including backup fuels, a separate performance test is required for each fuel.

2) For a turbine: The owner operator must conduct a performance test using the applicable procedures and methods in 40 CFR 60.4400, as incorporated by reference in Section 217.104.

d) Monitoring: Except for those years in which a performance test is conducted pursuant to subsection (a) or (b) of this Section, the owner or operator of an affected unit or a unit included in an emissions averaging plan must monitor NO_x concentrations annually, once between January 1 and May 1 or within the first 876 hours of operation per calendar year, whichever is later. If annual operation is less than 876 hours per calendar year, each affected unit must be monitored at least once every five years. Monitoring must be performed as follows:

1) A portable NO_x monitor and utilizing method ASTM D6522-00, as incorporated by reference in Section 217.104, or a method approved by the Agency must be used. If the engine or turbine combusts both liquid or gaseous fuels as primary or backup fuels, separate monitoring is required for each fuel.

2) NO_x and O_2 concentrations measurements must be taken three times for a duration of at least 20 minutes. Monitoring must be done at highest achievable load. The concentrations from the three monitoring runs must be averaged to determine whether the affected unit is in compliance with the applicable emissions concentration or emissions averaging plan as specified in Section 217.388.

e) Instead of complying with the requirements of subsections (a), (b), (c) and (d) of this Section, an owner or operator may install and operate a CEMS on an affected unit that meets the applicable requirements of 40 CFR 60, subpart A, and Appendix B, incorporated by reference in Section 217.104, and complies with the quality assurance procedures specified in 40 CFR 60, Appendix F, or 40 CFR 75 as incorporated by reference in Section 217.104, or an alternate procedure as approved by the Agency or USEPA in a federally enforceable permit. The CEMS must be used to demonstrate compliance with the applicable emissions concentration or emissions averaging plan only on an ozone season and annual basis.

(Source: Added at 31 Ill. Reg. _____, effective _____.)

Section 217.396 Recordkeeping and Reporting

a) Recordkeeping. The owner or operator of a unit included in an emissions averaging plan or an affected unit that is not exempt pursuant to Section 217.386(b) and is not subject to the low usage exemption of Section 217.388(c) must maintain records that demonstrate compliance with the requirements of this Subpart Q which include, but are not limited to:

1) Identification, type (e.g., lean-burn, gas-fired), and location of each unit.

2) Calendar date of the record.

3) The number of hours the unit operated on a monthly basis, and during each ozone season.

4) Type and quantity of the fuel used on a daily basis.

5) The results of all monitoring performed on the unit and reported deviations.

6) The results of all tests performed on the unit.

7) The plan for performing inspection and maintenance of the units, air

pollution control equipment, and the applicable monitoring device pursuant to Section 217.388(d).

8) A log of inspections and maintenance performed on the unit's air emissions, monitoring device, and air pollution control device. These records must include, at a minimum, date, load levels and any manual adjustments along with the reason for the adjustment (e.g., air to fuel ratio, timing or other settings).

9) If complying with the emissions averaging plan provisions of Sections 217.388(b) and 217.390 copies of the calculations used to demonstrate compliance with the ozone season and annual control period limits, noncompliance reports for the ozone season, and ozone and annual control period compliance reports submitted to the Agency.

10) Identification of time periods for which operating conditions and pollutant data were not obtained by either the CEMS or alternate monitoring procedures including the reasons for not obtaining sufficient data and a description of corrective actions taken.

11) Any NO_x allowance reconciliation reports submitted pursuant to Section 217.392(e).

b) The owner or operator of an affected unit that is complying with the low usage provisions of Section 217.388(c), must:

1) For each unit complying with Section 217.388(c)(1), maintain a record of the NO_x emissions for each calendar year; or

2) For each unit complying with Section 217.388(c)(2), maintain a record of bhp or MW hours operated each calendar year.

c) The owner or operator of an affected unit or unit included in an emissions averaging plan must maintain the records required by subsections (a) and (b) of this Section for a period of five-years at the source at which the unit is located. The records must be made available to the Agency and USEPA upon request.

d) Reporting requirements:

1) The owner or operator must notify the Agency in writing 30 days and five days prior to testing pursuant to Section 217.394(a) and:

   A) If after the 30-days notice for an initially scheduled test is sent, there is a delay (e.g., due to operational problems) in conducting the performance test as scheduled, the owner or operator of the unit must notify the Agency as soon as possible of the delay in the original test date, either by providing at least seven days prior notice of the rescheduled date of the performance test, or by arranging a new test date with the Agency by mutual agreement;

   B) Provide a testing protocol to the Agency 60 days prior to testing; and

   C) Not later than 30 days after the completion of the test, submit the results of the test to the Agency.

2) Pursuant to the requirements for monitoring in Section 217.394(d), the owner or operator of the unit must report to the Agency any monitored exceedances of the applicable NO_x concentration from Section 217.388(a) or (b) within 30 days of performing the monitoring.

3) Within 90 days of permanently shutting down an affected unit or a unit included in an emissions averaging plan, the owner or operator of the unit must withdraw or amend the applicable permit to reflect that the unit is no longer in service.

4) If demonstrating compliance through an emissions averaging plan:

   A) By October 31 following the applicable ozone season, the owner or operator must notify the Agency if he or she cannot demonstrate compliance for that ozone season; and

   B) By January 30 following the applicable calendar year, the owner or operator must submit to the Agency a report that demonstrates the following:

i) For all units that are part of the emissions averaging plan, the total mass of allowable NO_x emissions for the ozone season and for the annual control period;

ii) The total mass of actual NO_x emissions for the ozone season and annual control period for each unit included in the averaging plan;

iii) The calculations that demonstrate that the total mass of actual NO_x emissions are less than the total mass of allowable NO_x emissions using equations in Sections 217.390(f) and (g); and

iv) The information required to determine the total mass of actual NO_x emissions and the calculations performed in subsection (d)(4)(B)(iii) of this Section.

5) If operating a CEMS, the owner or operator must submit an excess emissions and monitoring systems performance report in accordance with the requirements of 40 CFR 60.7(c) and 60.13, or 40 CFR 75 incorporated by reference in Section 217.104, or an alternate procedure approved by the Agency or USEPA and included in a federally enforceable permit.

6) If using NO_x allowances to comply with the requirements of Section 217.388, reconciliation reports as required by Section 217.392(b)(3).

(Source: Added at 31 Ill. Reg. _____, effective _____.)